

CLAIMS

- 1.) Multi-device false-twisting machine, specially for treating yarns before they are woven in all kinds of weaving looms and knitting machines for needles, providing said waving looms and knitting machines with round yarns without lumps, loops or irregularities, **characterized in that**
 - a) it is formed by a frame (3) in which there are mounted false-twister devices (4), wherein these devices can be of all kinds of those known in the art, wherein said frame (3) has a variable number between 1 and 1.500 of said devices (4) in function of the number of needles that the weaving loom or knitting machine has, and by means of programming and controlling the adjustments of the variables of the operation of false-twisting such as the degree of false-twisting generated by the device (4), the direction of the rotational movement generated by the device (4) and the sequence of rotational movements and stoppages, if determined, of each cycle, all of which is determined and programmed in function of the characteristics including that one where the yarn is previously twisted, and requirements of the yarn to be processed.
 - b) it is situated in the weaving loom or knitting machine in an intermediate point between the feeder rack and needles (8) of the weaving loom or knitting machine, that means as a process aligned with the posterior process of weaving, whereas the operation of the devices (4) develops as being one more of the operations of said weaving loom or knitting machine, such that the devices (4) are in a distance and at an adequate orientation with respect to the respective needles (8) of the weaving loom or knitting machine, with the aim that the yarn (one or several for each needle, being previously twisted or not) coming from the roller (2) or from the spools of the feeder rack, pass previously to their arrival to the needles through the devices of false-twisting (4) and the effect of false-twisting produced by the devices arrives to the needles, the weaving loom or knitting machine. Whereas additionally the previous twisting of the yarn can be eliminated, in those cases in which it is used as a preventative measure to increase the regularity of the same, and consequently for the weaving loom, knitting machine and needle stranding machine accepts better the passing through of the yarn/s through their respective orifices.